

FIG. 1

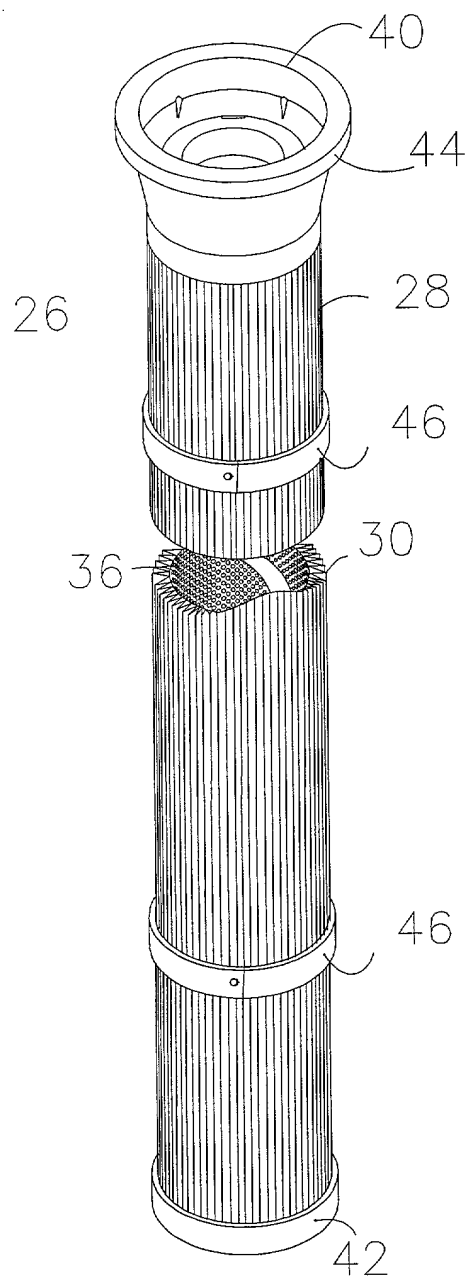


FIG. 2

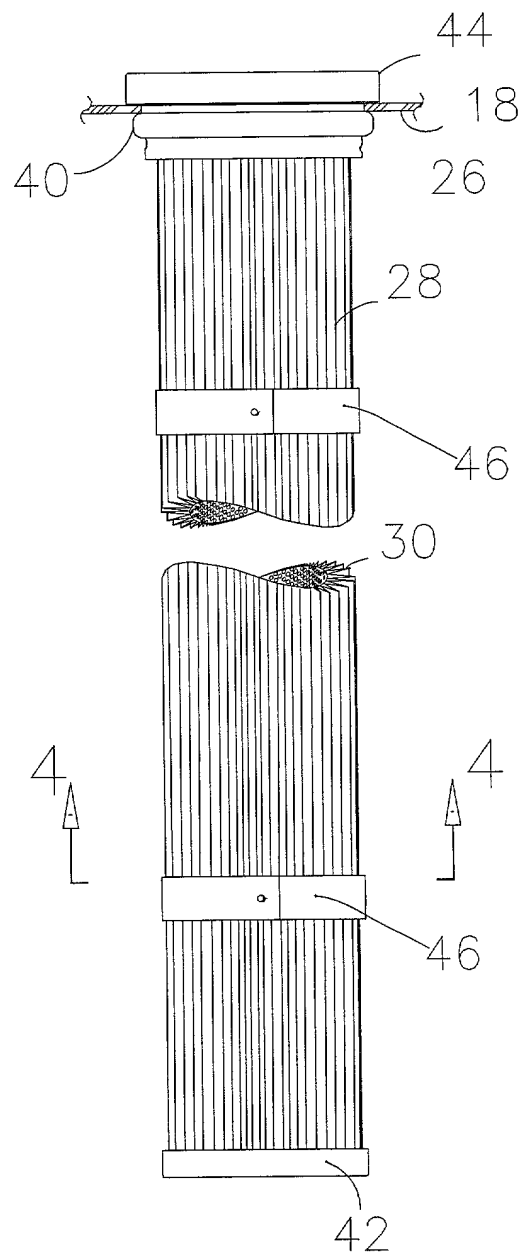


FIG. 3

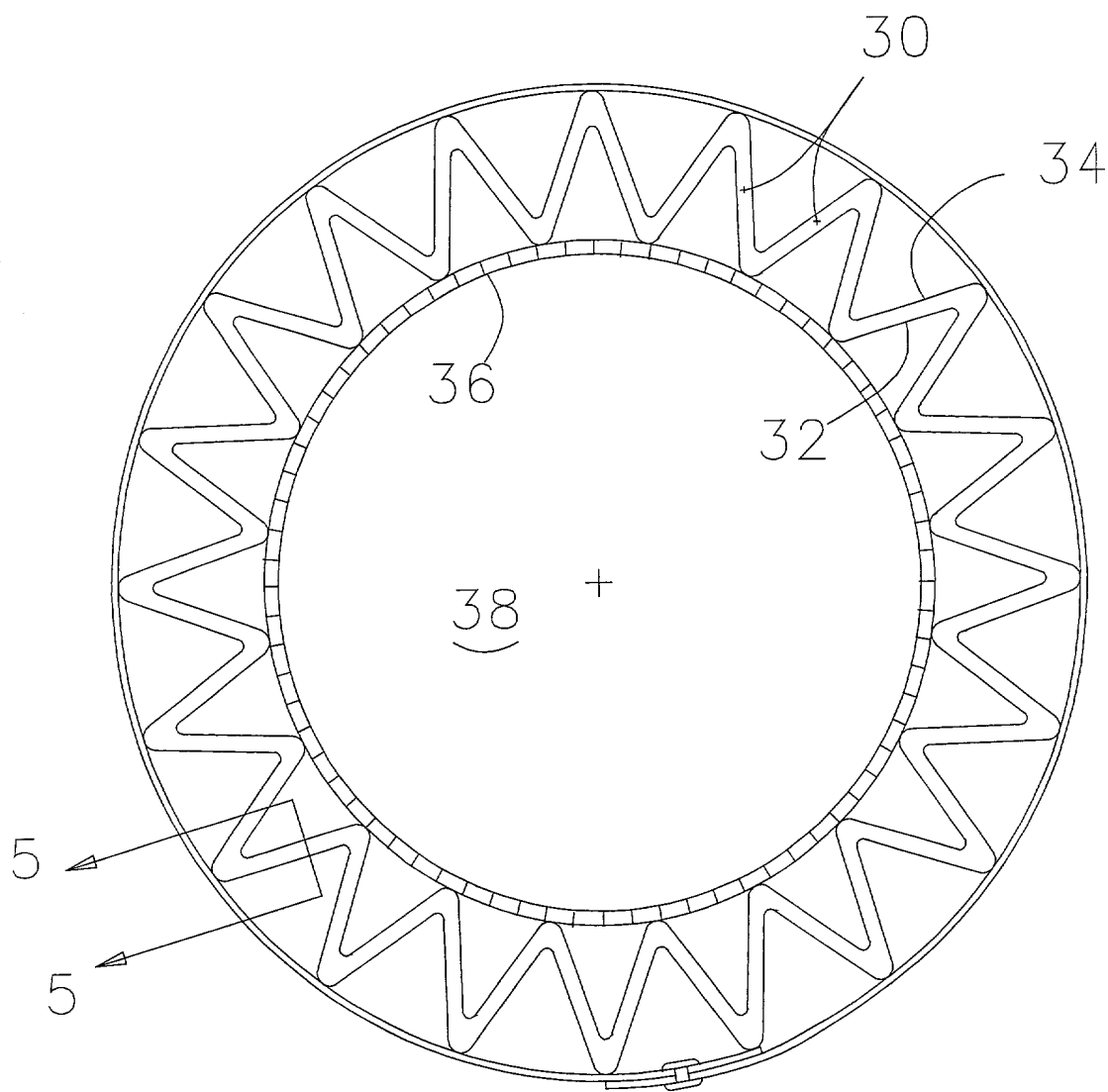


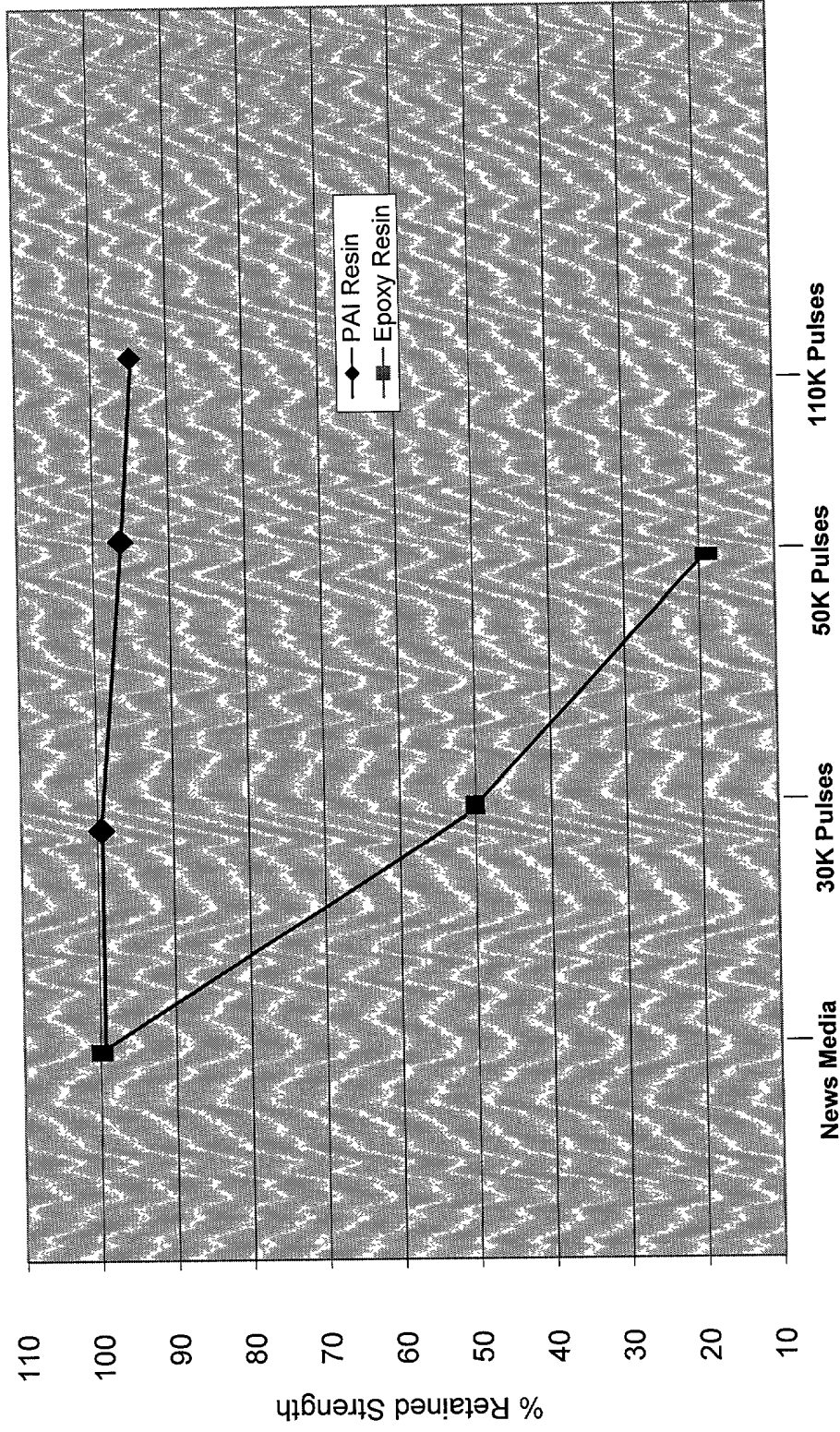
FIG. 4



100 μm x486 15kV

Fig. 6

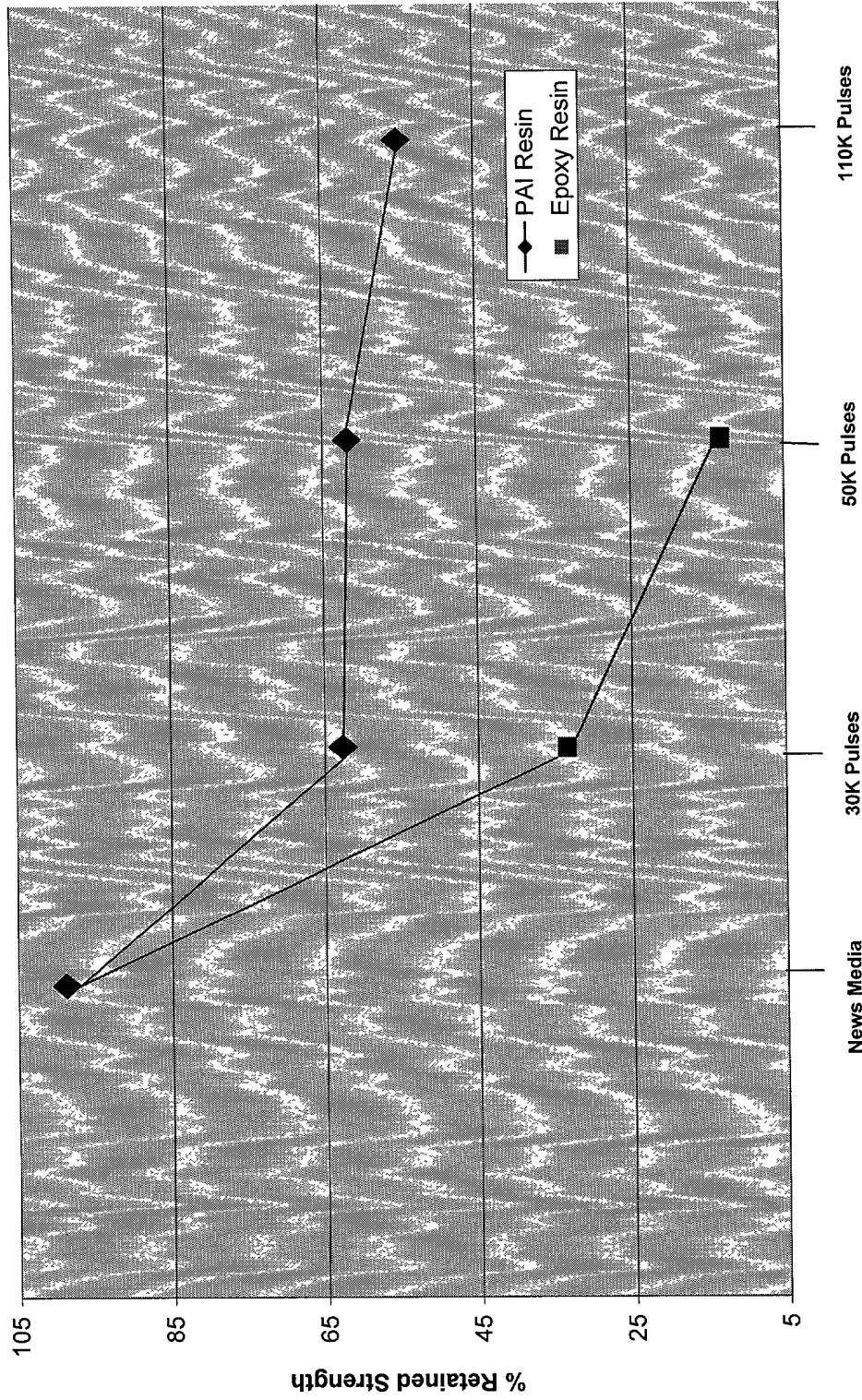
Combined Average MD and XMD Retained Tensile Strength of PAI Resin Treated Aramid
Versus Epoxy Resin Treatment Aramid



Note: Epoxy resin treated substrate experienced complete filter failure prior to 110,000 pulses

FIG. 7

Combined Average MD and XMD Retained Tear Strength of PAI Resin Treated Aramid Versus Epoxy Resin Treated Aramid



Number of pulses at 60psi in BEST tester
 Note: Epoxy resin substrate experienced complete filter failure prior to 110,000 pulses.

FIG. 8